(2282)

GRIFFIN INTERNATIONAL INC

JUL 20 10 11 AM '98

July 27, 1998

Mr. Richard Spiese
State of Vermont
Department of Environmental Conservation
Waste Management Division
Sites Management Section
103 South Main Street / West Building
Waterbury, Vermont 05671-0404

RE: Initial Site Investigation at Westminster Station Market, Westminster, VT
(VTDEC Site #97-2282)

Dear Mr. Spiese:

Enclosed please find a report on the investigation of subsurface petroleum contamination at Westminster Station Market located in Westminster.

If you have any questions about our findings or recommendations, please call.

Sincerely,

Kevin McGraw
Hydrogeologist

Enclosure

cc: GI Project #99741108

P.O. Box 943 • Williston, VT 05495 • Phone/Fax 802-865-4288
59 Clinton Street • Plattsburgh, NY 12901 • 518-562-4666 • Fax 518-561-6832

REPORT ON THE INVESTIGATION OF SUBSURFACE PETROLEUM CONTAMINATION

at

WESTMINSTER STATION MARKET
ROUTE 5
WESTMINSTER, VERMONT

JULY 9, 1998

Prepared for:

Rice Oil Company, Inc.
34 Montague City Rd., PO Box 1497
Greenfield, MA 01301

Prepared by:

GRIFFIN INTERNATIONAL

P.O. Box 943
Williston, Vermont 05495
(802) 865-4288

Griffin Project #: 99741108

TABLE OF CONTENTS

APPENDICES

I. INTRODUCTION

This report summarizes the investigation of subsurface petroleum contamination at the Westminster Station Market, located on Route 5 in Westminster Station, Vermont (see Site Location Map and Area Map, Appendix A). This investigation has been conducted to define more clearly the degree and extent of petroleum contamination which was detected in the soils at this site during the permanent closure of three underground storage tanks (USTs) in October of 1997. Included in the report are the findings from the hollow-stem auger drilling along with the results of subsequent groundwater sampling conducted at the property.

This work has been completed for Rice Oil, Inc. by Griffin International, Inc. (Griffin) in accordance with the Work Plan and Cost Estimate for this site, dated February 5, 1998. Written approval to proceed with this work was received from Richard Spiese of the State of Vermont Department of Environmental Conservation (VTDEC).

II. HISTORICAL BACKGROUND

On October 15, 1997, three underground storage tanks (USTs) were removed from the subsurface at the Westminster Station Market in Westminster Station, Vermont. The USTs were located on the south side of the property as shown on the Site Map in Appendix A.

The three USTs at the site were: UST #1-8,050 gallon gasoline
UST #2-8,050 gallon gasoline
UST #3-4,050 gallon gasoline

UST #1 was in fair to poor condition, with some rusting and scaling. UST #2 was observed to be in fair condition, with rusting and some scaling. UST #3 was observed to be in good condition with minor rusting. No holes were observed in the USTs. The double wall EnviroFlex® piping remains in the ground and is still in service.

Volatile organic compounds (VOCs) were detected in the soils surrounding the tank using an HNu™ portable photoionization detector (PID). A peak PID reading of 200 parts per million (ppm) was measured at the northern end of UST #3, and high readings were also detected in the vicinity of UST #1 and UST #2. Excavated soils were stockpiled on plastic at the northeastern corner of the property. PID readings of the stockpiled soils ranged from 5 to greater than 200 ppm. Groundwater was not encountered during the removal of the tanks at a depth of 15 feet below grade.

Based on the observations made during the tank closures, the VTDEC requested additional work to determine the severity of the contamination. The following report presents the findings from Griffin's initial site investigation.

III. SITE DESCRIPTION

The Westminster Station Market is situated on a property owned by Rice Oil Company, Inc. This property is located 1,000 feet west of the Connecticut River, and just east of the railroad tracks, at the intersection of Routes 5 and 123. Walpole, New Hampshire is located to the southeast on the opposite side of the Connecticut River. Local terrain slopes to the east, and correspondingly, groundwater flow was initially estimated to be to the east. Ground elevation is approximately 250 feet above sea level.

The area surrounding the site consists of a mix of commercial and residential properties The area is served by private water supplies. The well to the north of the Westminster site serves the Westminster Station Market and the residence to the north of the market. The Post Office and a residence across Route 123 share an unlocated well to the west of Westminster Station Market.

The Surficial Geologic Map of Vermont maps the surrounding area as glaciolacustrine sediments consisting of fine to medium sand, silt and coarse gravels. Actual local subsurface materials vary from fine to medium sandy silt with occasional cobbles.

IV. SUBSURFACE INVESTIGATION

On April 28, 1998, four monitoring wells were installed by T&K Drilling, Inc. using a truck-mounted hollow-stem auger drill rig. The monitoring wells, designated MW-1 through MW-4, were installed to help define the degree and extent of petroleum contamination in the vicinity of the former gasoline USTs. MW-1 was installed near the south end of the property. The boring for MW-2 was drilled on the west side of the former tank pit in the estimated upgradient direction from the former tank pit. MW-3 and MW-4 were installed east of the former tank pit, in probable downgradient locations. The locations of the wells are shown on the Site Map in Appendix A.

Split-spoon samples were obtained in each boring at five-foot intervals. Soil samples were screened for VOCs using an HNu™ (Model PI-101) photoionization device. In addition, soil characteristics were recorded in detailed boring logs by the supervising Griffin hydrogeologist.

In the boring for MW-1, fine sand with little silt were observed from grade to seven feet below grade. From 7 to 27 feet below grade, the base of exploration, fine to medium sands, coarse sand, and trace gravel were observed. Groundwater was encountered at approximately 19 feet below grade. Petroleum contamination was not detected in any of the soils from this boring.

Soils retrieved from the boring for MW-2 were fine to medium sand or silty fine sand from grade to 12 feet below grade. Coarse sands were encountered at 20-22 feet below

grade. Groundwater was encountered at approximately 18 feet below grade. Petroleum odors were not observed in any of the soil samples collected from this boring and no elevated VOC levels were detected with the PID.

In the boring for MW-3, primarily fine to medium sands were observed from grade to 22 feet below grade. Groundwater was encountered at approximately 18 feet below grade. Petroleum odors were not observed in any of the soil samples collected from this boring.

Soils retrieved from the boring for MW-4 consisted primarily of fine to medium sand from grade to 19 feet below grade. Coarse sand was observed in the 20-22 feet split-spoon sample. Groundwater was encountered at approximately 18 feet below grade. Petroleum odors were not observed in any of the soil samples collected from this boring.

The screens of all four monitoring wells were set from 15 to 25 feet below grade. The monitoring wells were constructed with two-inch diameter, Schedule 40 PVC riser and 0.010" slotted screen. A silica sand pack was placed around the screened portion of each well and a bentonite seal was placed in the annulus immediately above the sand pack. To complete the construction of each well, a road box was set in concrete at grade level. In addition, a locking well cap was placed on each monitoring well. The boring logs and well construction details for these wells are included in Appendix B.

V. WATER LEVELS AND WATER QUALITY

A. Water Table Elevations

Water table elevation measurements were collected from MW-1 through MW-4 on May 7, 1998. In addition, the monitoring wells were surveyed in azimuth and elevation relative to the top-of-casing of MW-3 which has been assigned an arbitrary elevation of 100.00 feet. Liquid level monitoring data are presented in Appendix C.

Water table elevations have been plotted and contoured to illustrate the estimated gradient and direction of groundwater flow beneath the site (see Groundwater Contour Map, Appendix A). According to these data, it appears that groundwater is flowing to the south at a hydraulic gradient of .074.

B. Water Quality

On May 7,1998, Griffin collected groundwater samples from all four monitoring wells. Each sample was analyzed for petroleum compounds by EPA Method 602.

BTEX and MTBE were not detected in the groundwater samples collected from MW-1, MW-2, or MW-3. A trace of benzene was detected in the groundwater sample from MW-

4. MTBE was detected in this sample at 20.8 parts per billion (PPB). This is less than the Vermont Groundwater Enforcement Standard (VGES) of 40 ppb for this compound.

The trip blank and duplicate sample analytical results indicate that proper quality assurance and quality control were maintained during the sampling and analysis.

VI. RECEPTOR RISK ASSESSMENT

A receptor risk assessment was conducted to identify known and potential receptors of the petroleum contamination detected at the Westminster Station Market. A visual survey was conducted at the time of monitoring well installation and during the UST closure inspection. A determination of the potential risk to identified receptors was conducted based on proximity, groundwater flow direction, gradient, and contaminant concentration levels.

Water Supplies

As outlined in Section III of this report, the area in the vicinity of the Westminster Station Market is served by private water systems north of the contamination site. Based on the initial Site Investigation data, there does not appear to be any risk to water supplies in the area, because the wells are upgradient in relation to the site and the concentration of BTEX and MTBE is low to non-detect in shallow groundwater.(Appendix D).

Buildings in the Vicinity

The Westminster Station Market does not have a basement and is not likely at risk for potential accumulation of petroleum vapors.

Surface Water/Wetlands

No wetlands were observed in the vicinity of Westminster Station Market. The Connecticut River is located 1,000 feet from the former UST site and does not appear to be at risk due to the low concentrations of contaminants detected in the May 1998 sampling.

VII. CONCLUSIONS

Based on the investigation at this site, Griffin has reached the following conclusions:

1. In each of the four soil borings, fine to coarse sands were predominant. No significant evidence of petroleum contamination was observed in these soils.

2. The water table elevation beneath the site, measured using an interface probe, ranged from approximately 18 to 19 feet below grade. Based on water table elevation data collected on May 7, 1998, the groundwater flow is to the south at a hydraulic gradient of .074.

3. Laboratory results for all four monitoring wells show that the contaminant levels in shallow groundwater at the site, are below VGES.

4. The risk assessment for the site suggests that there is likely minimal environmental risk to any of the potential sensitive receptors in the area.

VIII. RECOMMENDATIONS

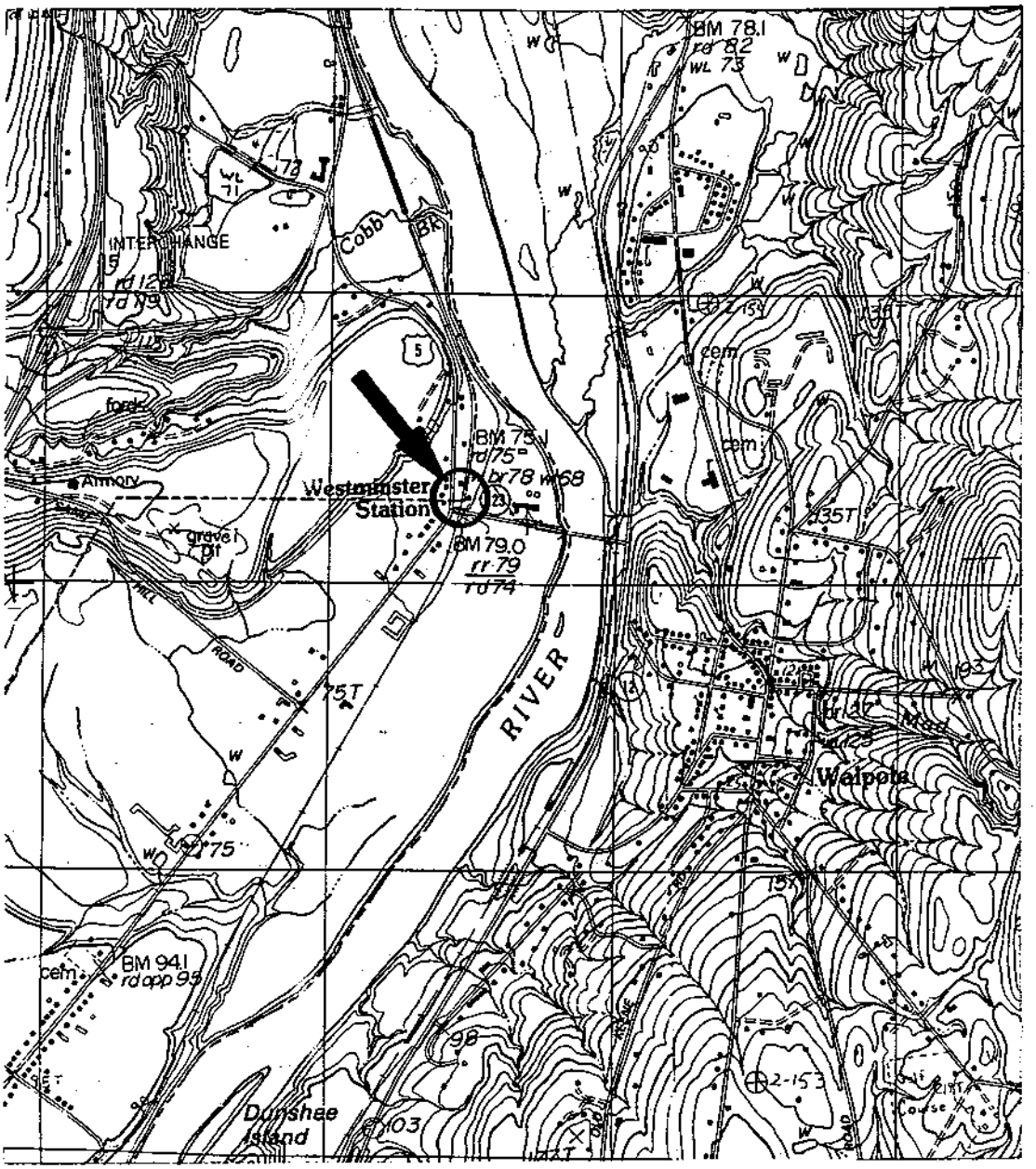
Based on the results of the Initial Site Investigation, Griffin does not recommend any further subsurface work or site monitoring. The soil stockpile will be screened with a PID on an annual basis, beginning in the Fall of 1998.

APPENDICES

APPENDIX A

Maps

Site Location Map
Area Map
Site Map
Groundwater Contour Map



JOB #: 99741108
SOURCE: USGS– WALPOLE, NEW HAMPSHIRE–VERMONT QUADRANGLE

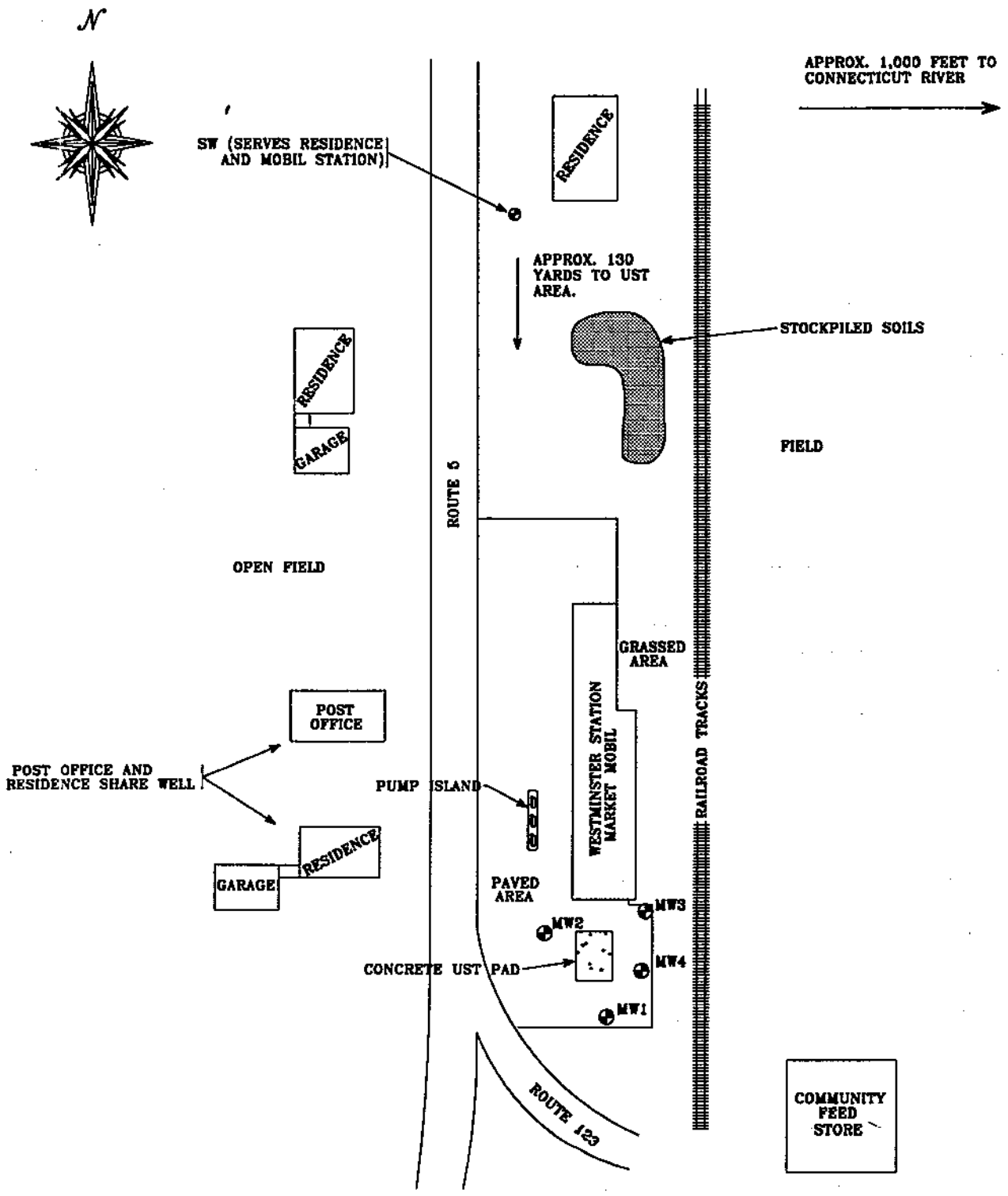
GRIFFIN INTERNATIONAL INC

WESTMINSTER STATION MARKET

WESTMINSTER, VERMONT

SITE LOCATION MAP

DATE: 5/27/98	DWG.#:1	SCALE: 1:25000	DRN.:SB	APP.:KM



JOB #: 99741108

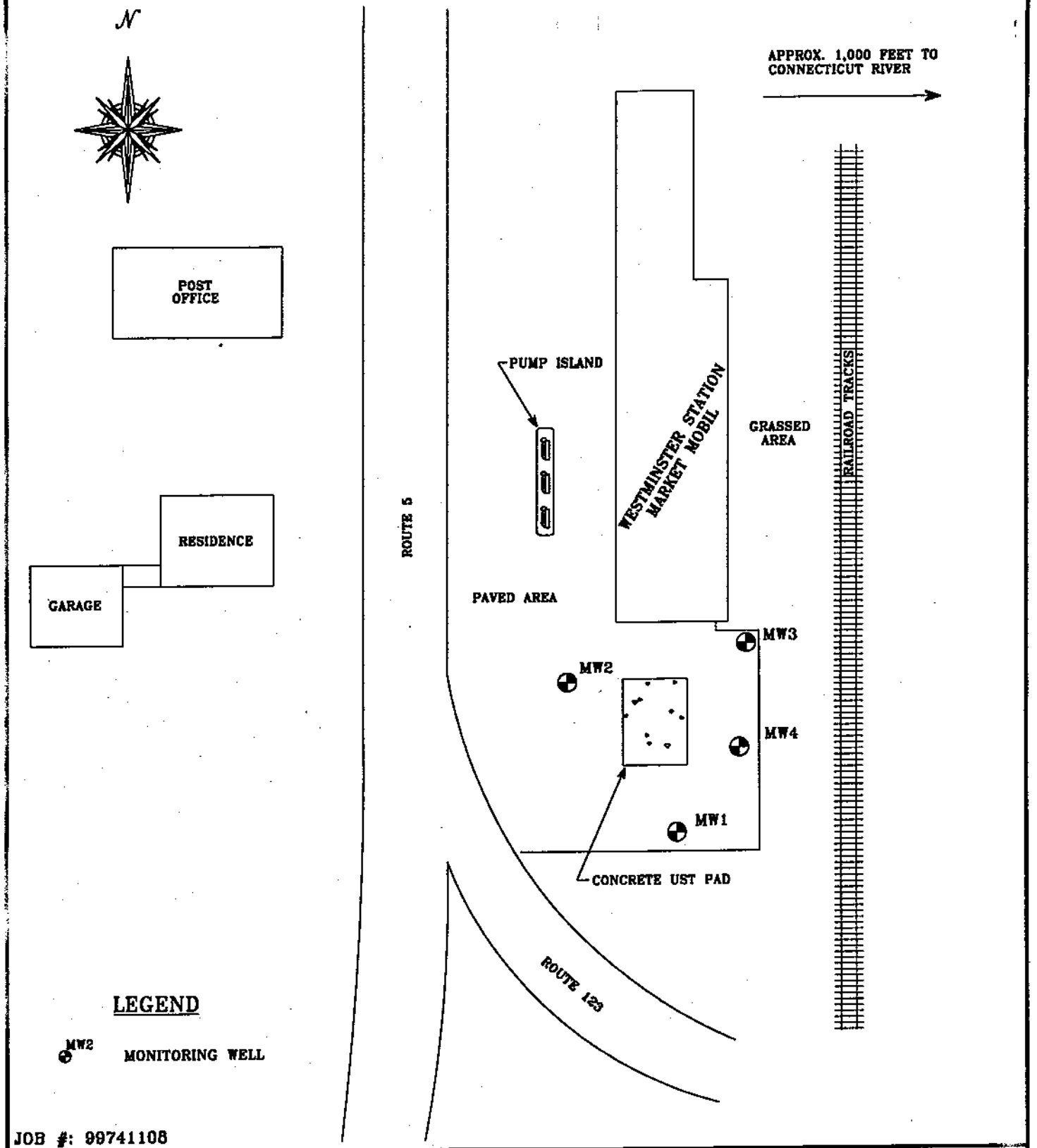
GRIFFIN INTERNATIONAL INC

WESTMINSTER STATION MARKET

WESTMINSTER, VERMONT

AREA MAP

DATE: 5/27/98	DWG.#:2	SCALE: NONE	DRN.:SB	APP.:KM



JOB #: 99741108

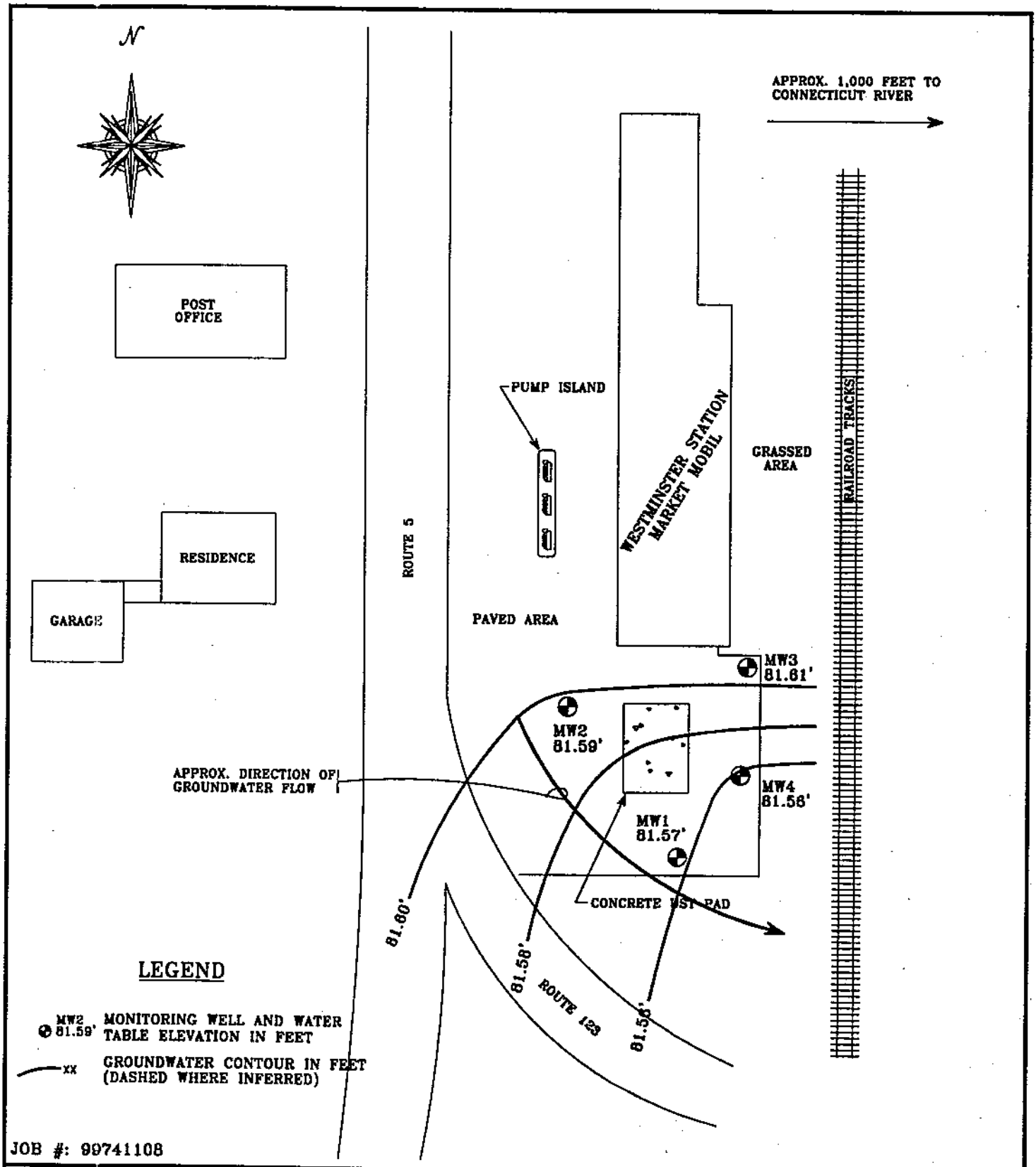
GRIFFIN INTERNATIONAL INC

WESTMINSTER STATION MARKET

WESTMINSTER, VERMONT

SITE MAP

DATE: 5/27/98	DWG.#:3	SCALE: 1"=40'	DRN.:SB	APP.:KM



JOB #: 99741108

GRIFFIN INTERNATIONAL INC

WESTMINSTER STATION MARKET

WESTMINSTER, VERMONT

GROUNDWATER CONTOUR MAP
MEASUREMENT DATE: 5/7/98

DATE: 6/30/98	DWG.#:3	SCALE: 1"=40'	DRN.:SB	APP.:KM

APPENDIX B

Well Logs

PROJECT WESTMINSTER STATION MARKET

LOCATION WESTMINSTER, VERMONT

DATE DRILLED 4/28/98 TOTAL DEPTH OF HOLE 27.0'

DIAMETER 4.25"

SCREEN DIA. 2" LENGTH 10.0' SLOT SIZE 0.010"

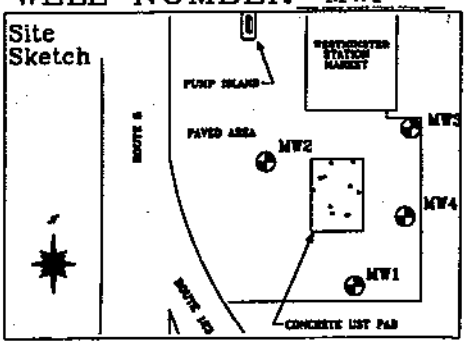
CASING DIA. 2" LENGTH 14.5' TYPE sch 40 pvc

DRILLING CO. T&K DRILLING METHOD HSA

DRILLER ALAN TOMMILA LOG BY K. McGRAW

WELL NUMBER MW1

Site Sketch



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX LOCKING WELL CAP CONCRETE	0'-2' 1.0 ppm	Pavement Brown, fine SAND, little silt, dry, no odor.	0 2
4		NATIVE BACKFILL	5'-7'- 3/3/4/5 0.2 ppm	Brown, very fine to fine SAND, little silt, dry, no odor.	4 6
8		WELL RISER	10'-12'- 2/2/2/5 0.2 ppm	Brown, fine to medium SAND, trace silt, dry, no odor.	8 10 12
14		BENTONITE	15'-17'- 4/6/5/8 0 ppm	Whitish brown, medium SAND, some fine sand, dry, no odor.	14 16
18		SAND PACK		19.0' WATER TABLE	18
20		WELL SCREEN	20'-22'- 1/1/1/5 0 ppm	Black/white/red/brown, coarse SAND, wet, no odor.	20 22
24		BOTTOM CAP			24
26			25'-27'- 2/3/5/5 0 ppm	Same as above with trace gravel, wet, no odor.	26
28		UNDISTURBED NATIVE SOIL		BASE OF WELL AT 25' END OF EXPLORATION AT 27'	28
30					30
32					32
34					34
36					36
38					38
40					40
42					42
44					44
46					46
48					48
50					50

PROJECT WESTMINSTER STATION MARKET

LOCATION WESTMINSTER, VERMONT

DATE DRILLED 4/28/98 TOTAL DEPTH OF HOLE 25.0'

DIAMETER 4.25"

SCREEN DIA. 2" LENGTH 10.0' SLOT SIZE 0.010"

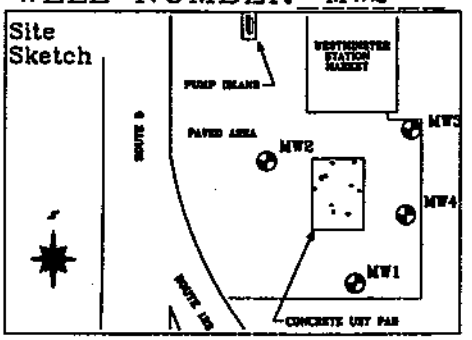
CASING DIA. 2" LENGTH 14.5' TYPE sch 40 pvc

DRILLING CO. T&K DRILLING METHOD HSA

DRILLER ALAN TOMMILA LOG BY K. McGRAW

WELL NUMBER MW2

Site Sketch



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX LOCKING WELL CAP CONCRETE		Pavement	0
1			0'-2' 0.4 ppm	Brown, fine SAND, little silt, dry, no odor.	1
2					2
3					3
4		WELL RISER			4
5					5
6			5'-7'- 3/3/3/4 0.4 ppm	Brown, very fine to fine SAND, little silt, dry, no odor.	6
7					7
8		NATIVE BACKFILL			8
9					9
10					10
11			10'-12'- 4/5/5/6 0 ppm	Whitish brown, fine to medium SAND, dry, no odor.	11
12					12
13					13
14		BENTONITE			14
15					15
16			15'-17'- 2/4/5/5 0 ppm	Whitish brown, medium SAND, some fine sand, dry, no odor.	16
17					17
18		WELL SCREEN	17'-19'- 4/5/7/9 0 ppm	Brown and whitish brown, medium SAND, some fine sand, wet @ 18', no odor.	18
19				18.0' WATER TABLE	19
20					20
21		SAND PACK	20'-22'- 2/2/4/6 0 ppm	Black/gold/white/red/brown, medium to coarse SAND, little fine sand, wet, no odor.	21
22					22
23					23
24		BOTTOM CAP		BASE OF WELL AT 25'	24
25		UNDISTURBED NATIVE SOIL		END OF EXPLORATION AT 25'	25

PROJECT WESTMINSTER STATION MARKET

LOCATION WESTMINSTER, VERMONT

DATE DRILLED 4/28/98 TOTAL DEPTH OF HOLE 25.0'

DIAMETER 4.25"

SCREEN DIA. 2" LENGTH 10.0' SLOT SIZE 0.010"

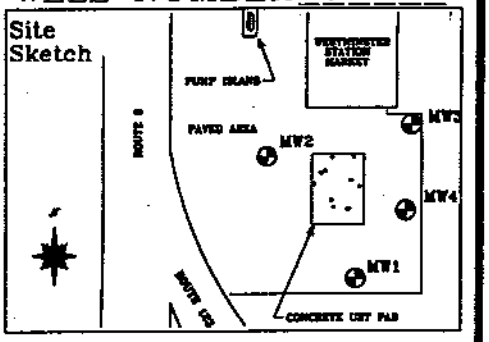
CASING DIA. 2" LENGTH 14.5' TYPE sch 40 pvc

DRILLING CO. T&K DRILLING METHOD HSA

DRILLER ALAN TOMMILA LOG BY K. McGRAW

WELL NUMBER MW3

Site Sketch



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX			0
		LOCKING WELL CAP		Pavement	
1		CONCRETE	0'-2' 0.2 ppm	Brown, fine to medium SAND, dry, no odor.	1
2					2
3					3
4		WELL RISER			4
5					5
6			5'-7'- 4/4/5/5 0 ppm	Brown, very fine to fine SAND, little silt, dry, no odor.	6
7					7
8		NATIVE BACKFILL			8
9					9
10					10
11			10'-12'- 3/4/5/5 0.4 ppm	Light brown, medium SAND, some fine sand, trace silt, dry, no odor.	11
12					12
13		BENTONITE			13
14					14
15					15
16			15'-17'- 4/4/5/6 0.3 ppm	Whitish brown, medium SAND, little fine sand, damp, no odor.	16
17					17
18		WELL SCREEN	17'-19'- 4/4/5/7 0.4 ppm	Brown and whitish brown, medium SAND, some fine sand, wet @ 18', no odor.	18
19				18.0' WATER TABLE	19
20					20
21		SAND PACK	20'-22'- 7/8/10/11 0.4 ppm	Same as above, wet, no odor.	21
22					22
23					23
24		BOTTOM CAP		BASE OF WELL AT 25'	24
25		UNDISTURBED NATIVE SOIL		END OF EXPLORATION AT 25'	25

PROJECT WESTMINSTER STATION MARKET

LOCATION WESTMINSTER, VERMONT

DATE DRILLED 4/28/98 TOTAL DEPTH OF HOLE 25.0'

DIAMETER 4.25"

SCREEN DIA. 2" LENGTH 10.0' SLOT SIZE 0.010"

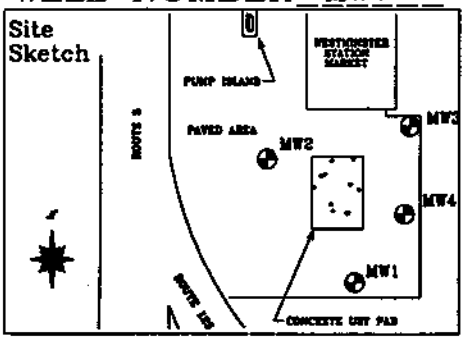
CASING DIA. 2" LENGTH 14.5' TYPE sch 40 pvc

DRILLING CO. T&K DRILLING METHOD HSA

DRILLER ALAN TOMMILA LOG BY K. McGRAW

WELL NUMBER MW4

Site Sketch



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0		ROAD BOX LOCKING WELL CAP CONCRETE		Pavement	0
1			0'–2' 0.3 ppm	Brown, fine to medium SAND, loose, dry, no odor.	1
2					2
3					3
4		WELL RISER			4
5					5
6			5'–7'– 4/4/5/7 0.4 ppm	Brown, very fine to fine SAND, trace silt, dry, no odor.	6
7					7
8		NATIVE BACKFILL			8
9					9
10					10
11			10'–12'– 3/4/3/5 0 ppm	Whitish brown, medium SAND, some fine sand, dry, no odor.	11
12					12
13		BENTONITE			13
14					14
15					15
16			15'–17'– 5/5/6/5 0.4 ppm	Whitish brown, medium SAND, little fine sand, dry, no odor.	16
17					17
18		WELL SCREEN	17'–19'– 3/3/3/3 0.4 ppm	Brown, medium SAND, little fine sand, wet @ 18', no odor.	18
19				18.0' WATER TABLE	19
20					20
21		SAND PACK	20'–22'– 2/3/5/8 0.4 ppm	Black/white/gold/red/brown, coarse SAND, some medium sand, wet, no odor.	21
22					22
23					23
24		BOTTOM CAP		BASE OF WELL AT 25'	24
25		UNDISTURBED NATIVE SOIL		END OF EXPLORATION AT 25'	25

APPENDIX C

Liquid Level Monitoring Data

Liquid Level Monitoring Data
Westminster Station Market, Westminster Vermont

5/7/98

Well I.D.	Top of Casing Elevation	Depth To Product	Depth To Water	Product Thickness	Specific Gravity Of Product	Water Equivalent	Corrected Depth To Water	Corrected Water Table Elevation
MW-1	99.61	-	18.04	-	-	-	-	81.57
MW-2	99.68	-	18.09	-	-	-	-	81.59
MW-3	100.00	-	18.39	-	-	-	-	81.61
MW-4	99.67	-	18.11	-	-	-	-	81.56

s Reported in Feet

ed in Feet Relative to MW-1 set at 100.00'

APPENDIX D

Laboratory Report

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International
PROJECT NAME: Mobil
REPORT DATE: May 15, 1998
DATE SAMPLED: May 7, 1998

PROJECT CODE: GIMO1572
REF.#: 120,313 - 120,318

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated sample preservation with HCl.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times. All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method. Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Mobil
CLIENT PROJ. #: 99741108

DATE RECEIVED: May 8, 1998
REPORT DATE: May 15, 1998
PROJECT CODE: GIMO1572

Ref. #:	120,313	120,314	120,315	120,316	120,317
Site:	MW 1	MW 1 Duplicate	MW 2	MW 3	MW 4
Date Sampled:	5/7/98	5/7/98	5/7/98	5/7/98	5/7/98
Time Sampled:	11:28	11:28	12:04	11:54	11:42
Sampler:	W.J.D.	W.J.D.	W.J.D.	W.J.D.	W.J.D.
Date Analyzed:	5/13/98	5/14/98	5/13/98	5/13/98	5/13/98
UIP Count:	0	0	0	0	4
Dil. Factor (%):	100	100	100	100	100
Surr % Rec. (%):	103	95	98	97	90
Parameter	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)	Conc. (ug/L)
Benzene	<1	<1	<1	<1	TBQ <1
Chlorobenzene	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	<1	<1	<1	<1	<1
1,3-Dichlorobenzene	<1	<1	<1	<1	<1
1,4-Dichlorobenzene	<1	<1	<1	<1	<1
Ethylbenzene	<1	<1	<1	<1	<1
Toluene	<1	<1	<1	<1	<1
Xylenes	<1	<1	<1	<1	<1
MTBE	<10	<10	<10	<10	20.8

Ref. #:	120,318
Site:	Trip Blank
Date Sampled:	5/7/98
Time Sampled:	7:14
Sampler:	W.J.D.
Date Analyzed:	5/13/98
UIP Count:	0
Dil. Factor (%):	100
Surr % Rec. (%):	96
Parameter	Conc. (ug/L)
Benzene	<1
Chlorobenzene	<1
1,2-Dichlorobenzene	<1
1,3-Dichlorobenzene	<1
1,4-Dichlorobenzene	<1
Ethylbenzene	<1
Toluene	<1
Xylenes	<1
MTBE	<10

Note: UIP = Unidentified Peaks TBQ = Trace Below Quantitation NI = Not Indicated

ENDYNE, INC.

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333

CHAIN-OF-CUSTODY RECORD

26488

Project Name: 99741108 Site Location: MOBIL, WESTMINISTER, VT	Reporting Address: GRIFFIN INT'L	Billing Address: GRIFFIN
Endyne Project Number: GIM01572	Company: GRIFFIN Contact Name/Phone #: 865 4288	Sampler Name: WJD Phone #: 865 4288

Lab #	Sample Location	Matrix	GRAB	COMP	Date/Time 5.7.98	Sample Containers No.	Sample Containers Type/Size	Field Results/Remarks	Analysis Required	Sample Preservation	Rush
120,313	MW01	GW	✓		1128	2	VOA/40ml		602	HCl	
120,314	MW01 DUPLICATE				1128						
120,315	MW2				1204						
120,316	MW3				1154						
120,317	MW4				1142						
120,318	TRIP BLANK	DISTILLED H2O			0714						

Relinquished by: Signature: Willis Dee	Received by: Signature: Tina Desrochers	Date/Time: 5.7.98 1500 5/8/98 10:10
Relinquished by: Signature: Tina Desrochers	Received by: Signature: Jana M. Chambers WJD	Date/Time: 5-8-98 10:10

New York State Project: Yes ____ No ____

Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD_5	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										